

# Southern Region Runway Safety Program Annual Report – FY11

**Runway Incursion – “Any occurrences at an aerodrome involving the incorrect presence of an aircraft, vehicle, or person on the protected area of a surface designated for the landing and takeoff of aircraft”.**

Runway Incursions - FY-11			Runway Incursions - FY-10		
LOB	Type	Total	LOB	Type	Total
ATO	Operational Errors	35	ATO	Operational Errors	34
FS	Pilot Deviations	114	FS	Pilot Deviations	118
ARP	Veh/Ped Deviations**	30	ARP	Veh/Ped Deviations	21
<b>Total</b>		<b>179</b>	<b>Total</b>		<b>173</b>

**\*\* Note: For FY11, 2 of the 30 Veh/Ped Deviations were caused by Certificated Maintenance Technicians and investigated by Flight Standards. These 2 RIs do not count against ARP totals, but fall under Flight Standards.**

**2.9% INCREASE in Operational Errors**

**3.4% DECREASE in Pilot Deviations**

**42.9% INCREASE in Vehicle Pedestrian Deviations**

**3.5% INCREASE OVERALL IN TOTAL NUMBER OF RIs**

## FY11 and FY10 Comparison of Regions' Runway Incursions

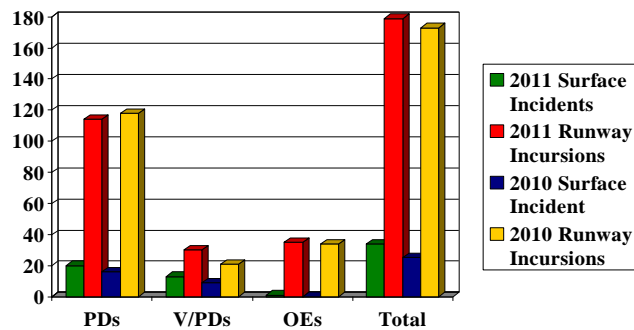
### FY11 Vs FY10

FY 2011				
REGION	OE/D	PD	VPD	TOTAL
AAL	3	14	10	27
ACE	5	14	5	24
AEA	34	37	19	90
AGL	34	64	28	126
ANE	4	21	3	28
ANM	11	61	22	94
<b>ASO</b>	<b>35</b>	<b>114</b>	<b>30</b>	<b>179</b>
ASW	25	96	22	143
AWP	27	172	44	243
<b>TOTAL</b>	<b>178</b>	<b>593</b>	<b>183</b>	<b>954</b>

FY 2010				
REGION	OE/D	PD	VPD	TOTAL
AAL	4	22	12	38
ACE	3	28	10	41
AEA	19	38	20	77
AGL	27	81	31	139
ANE	8	21	3	32
ANM	17	71	13	101
<b>ASO</b>	<b>34</b>	<b>118</b>	<b>21</b>	<b>173</b>
ASW	26	91	26	143
AWP	18	160	44	222
<b>TOTAL</b>	<b>156</b>	<b>630</b>	<b>180</b>	<b>966</b>

**Nationally - 1.2% decrease in RI for FY11 from FY10.**

## Surface Incidents/Runway Incursions 2011 Vs 2010



Surface Incidents	20	13	01	34
Runway Incursions	114	30	35	179
Surface Incidents	16	9	00	25
Runway Incursions	118	21	34	173

### FY11 Vs FY10 Comparison of Regions' Runway Incursion Categories

Runway Incursions Severity Ranking

National Goal FY11 A+B = 0.450 rate

REG	A	B	C	D	E	TOTAL
AAL			7	20		27
ACE			8	16		24
AEA			36	54		90
AGL	4		42	80		126
ANE			9	19		28
ANM		1	38	55		94
ASO			80	99		179
ASW		1	55	87		143
AWP	1		86	156		243
<b>TOTAL</b>	<b>5</b>	<b>2</b>	<b>359</b>	<b>586</b>		<b>954</b>

Runway Incursions Severity Ranking

National Goal FY10 A+B = 0.450 rate

REG	A	B	C	D	E	TOTAL
AAL			12	26		38
ACE	1		13	27		41
AEA			31	46		77
AGL			47	92		139
ANE			13	19		32
ANM			41	60		101
ASO	1		82	90		173
ASW	1		50	92		143
AWP	1	2	97	122		222
<b>TOTAL</b>	<b>4</b>	<b>2</b>	<b>386</b>	<b>574</b>		<b>966</b>

### Runway Incursion Severity Classification

Category	Description
<b>A</b>	A serious incident in which a collision was narrowly avoided
<b>B</b>	Separation decreases, and there's significant potential for collision; critical corrective/evasive actions taken
<b>C</b>	Incident characterized by ample time and/or distance to avoid a collision
<b>D</b>	An incident that meets the definition of a runway incursion
<b>E</b>	An incident in which insufficient or conflicting evidence of the event precludes assigning another category

## ASO FY11 and FY10 Comparison of RI Categories

RI Category/Type – FY11

CAT	OE	PD	VPD	TTL
*A				
*B				
C	27	44	9	80
D	8	70	21	99
TTL	35	114	30	179

RI Category/Type – FY10

CAT	OE	PD	VPD	TTL
*A		1		1
*B				
C	29	43	10	82
D	5	74	11	90
TTL	34	118	21	173

\* 100% decrease in category A/B RI totals for FY11 vs FY10

## FY11 and FY10 Comparison of the 5 Larger Regions' RI Rates

2011 RI Rates Per 100K thru 9/30

### FY11

Regions	OPS	RIs	Rate
AEA	6,330,292	90	1.42
AGL	6,747,153	126	1.87
ASO	11,296,928	179	1.58
ASW	6,539,958	143	2.19
AWP	10,781,609	243	2.25

2010 RI Rates Per 100K (thru 9/30)

### FY10

Regions	OPS	RIs	Rate
AEA	6,435,629	76	1.18
AGL	6,951,239	139	2.00
ASO	11,298,562	173	1.53
ASW	6,472,252	143	2.21
AWP	10,886,885	222	2.04

## **FY11 Major Initiatives and Accomplishments**

- Developed, printed, and distributed a nationally approved one hour Inspection Authorization (IA) Renewal Training Module to all ASO FAAS Team Program Managers (FPMs) for Aviation Maintenance Technicians' surface safety training and enhanced situational awareness.
- Revised and updated the Caribbean Runway Safety and Aircraft Guidebook, originally developed in 2007 as an additional aid/training and educational tool for pilots and vehicles operators in the Caribbean. Distributed 300 copies to towered airports users.
- Developed and distributed Approach Hold Position Posters for Memphis Airport in an effort to educate users on the use of APCH-Hold and avoiding surface events.
- Provided Runway Safety familiarization and training to all RVA Federal Contract Tower Managers (FCTs) held in Las Vegas.
- Participated in Regional and National Outreach Programs:
  - State Aviation Directors' Conferences
  - National Association of State Aviation Officials (NASAO)
  - SO FL Certificate Management Office (CMO) Annual Safety Summit
  - FL Airports Consultants' Conference –education and awareness on bad airport geometry surrounding the design and building of new taxiways and runways
  - Military Safety Stand Downs – Civil Air Patrol, ANG in Frankfort, KY and Dobbins Air Force Base
  - Jacksonville, FL - 3 towered airports Safety Fairs - JAX, CRG, and VQQ
  - Participated in the National Geometry Forum
  - Participated in a regional Drivers' Training Program
- Conducted Aviation Maintenance Technicians' (AMTs) Seminars in Western and Eastern North Carolina for operations at towered airports.
- Oversee National Hot Spots data base and update as necessary to ensure current information.
- Successfully accomplished all runway safety initiatives and activities developed in the FY2011 Regional Plan with concurrence from 4 major LOB and Regional Administrator.

## **Other Initiatives - Ongoing**

- Runway Safety Action Team Meetings/Regional/Local/Safety Assessments - 43
- Operations Rain Check, Pilot/Controller Forums/Safety Seminars/WINGS, Ops Supervisor Workshops, and Airport Safety Stand Down meetings - 53
- Flight Training Schools' Pilot Briefings - 14
- Flight Instructors Refresher Clinics (FIRC)/Certified Flight Instructors (CFIs) - 27
- State Aviation Directors' Events – 3
- Outreach Programs – Trade Shows (NBAA, WAI, NASAO, AAE, RAA, AOPA, PAMA, Sun N Fun, OshKosh, Caribbean Fly In) – 10
- Pilot Meetings coordinated through the FAAS Team - 35